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## Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the present application.

## In the Claims:

(Currently amended) A method of forming a thin film on an integrated circuit 1. substrate including a stepped portion, the method comprising:

forming a spin on glass (SOG) film on the substrate including the stepped portion to fill a recess defined by the stepped portion;

soft baking the SOG film at a temperature from about 100°C to about 300°C of less than about 400°C:

etching the soft baked SOG film; and forming an insulation film on the etched SOG film.

- (Original) The method of Claim 1, wherein forming the SOG film comprises 2. forming the SOG film using a SOG solution including polysilazane.
- (Original) The method of Claim 1, wherein etching the soft baked SOG film is 3. followed by thermally treating the SOG film at a temperature from about 400°C to about 1200°C to convert the etched SOG film to silicon oxide.
- (Original) The method of Claim 3, wherein thermally treating the SOG film is 4. performed before forming an insulation film on the etched SOG film.
- (Original) The method of Claim 1, wherein etching the soft baked SOG film 5. comprises etching the soft baked film to a height lower than the recess defined by the stepped portion and wherein forming an insulation film includes forming the insulation film on the etched SOG film to a height greater than the recess defined by the stepped portion.

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- 6. (Original) The method of Claim 5, wherein etching the soft baked SOG film further comprises etching the SOG film to expose a surface of the stepped portion and wherein forming the insulation film further comprises forming the insulation film on the exposed surface of the stepped portion.
  - 7. (Canceled).
- 8. (Original) The method of Claim 1, wherein etching the SOG film comprises wet etching the SOG film using a hydrogen fluoride (HF) solution.
- 9. (Original) The method of Claim 1, wherein the insulation film includes oxide and wherein forming the insulation film comprises forming the insulation film using a chemical vapor deposition (CVD) process.
- 10. (Original) The method of Claim 1, wherein etching the soft baked SOG film is followed by thermally treating the substrate.
- 11. (Original) The method of Claim 1, wherein the stepped portion includes a plurality of gate electrodes and metal wiring patterns and/or trenches formed on the substrate.
- 12. (Original) The method of Claim 1, further comprising planarizing the formed insulation film.
- 13. (Original) The method of Claim 12, wherein planarizing the formed insulation film comprises planarizing the formed insulation film using a chemical mechanical polishing (CMP) process.
  - 14. (Original) A method of forming a trench isolation film including forming a thin

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film according to the method of Claim 1, wherein the stepped portion comprises a trench on the substrate, the method further comprising removing the formed insulation film to expose the substrate adjacent the trench.

(Currently amended) A method of forming a trench isolation film on an integrated 15. circuit substrate, the method comprising:

forming a trench on the substrate using a pattern;

forming a liner on a surface of the substrate, a sidewall of the trench and/or a bottom face of the trench;

forming a spin on glass (SOG) film on the substrate including the formed trench and the liner to fill the trench;

soft baking the SOG film at a temperature of less than about 400°C; etching the soft baked SOG film; forming an insulation film on the etched SOG film; removing a portion of the formed insulation film to expose the pattern; removing the exposed pattern; and

planarizing a remaining portion of the insulation film.

- (Canceled). 16.
- (Original) The method of Claim 15, wherein etching the soft baked SOG film is 17. followed by thermally treating the etched SOG film at a temperature from about 400°C to about 1200°C to convert the etched SOG film to silicon oxide.
- (Currently amended) The method of Claim 15, wherein soft baking the SOG film 18. is performed at a temperature A method of forming a trench isolation film on an integrated circuit substrate, the method comprising:

forming a trench on the substrate using a pattern;

forming a spin on glass (SOG) film on the substrate including the formed trench to fill the

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## trench;

soft baking the SOG film at a temperature from about 100°C to about 300°C; etching the soft baked SOG film;

forming an insulation film on the etched SOG film;

removing a portion of the formed insulation film to expose the pattern;

removing the exposed pattern; and

planarizing a remaining portion of the insulation film.

- 19. (Original) The method of Claim 15, wherein etching the SOG film comprises wet etching the SOG film using a hydrogen fluoride (HF) solution.
- 20. (Original) The method of Claim 15, wherein the insulation film includes oxide and wherein forming the insulation film comprises forming the insulation film using a chemical vapor deposition (CVD) process.
- 21. (Original) The method of Claim 15, wherein planarizing a remaining portion of the insulation film comprises planarizing the remaining portion of the insulation film using a chemical mechanical polishing (CMP) process.

22.-30. (Canceled).

31. (Currently amended) A method for forming a trench isolation film comprising: forming a trench on a substrate by etching the substrate using a pad oxide film pattern and a hard mask pattern as etching masks;

continuously forming a liner including an insulation material on the surface of the substrate, on a sidewall of the trench and on a bottom face of the trench;

forming an SOG film on a substrate to sufficiently fill up the trench by coating an SOG solution on the substrate including the trench;

soft baking the SOG film;

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etching a whole surface of the SOG film;

forming an insulation film on a resultant structure formed on the substrate;

partially removing the insulation film to expose the hard mask pattern;

removing the hard mask pattern and the pad oxide film pattern; and

removing the insulation film remaining on a surface of substrate to expose the surface of the substrate.

32. (Currently amended) The method of Claim 31, wherein the soft baking the SOG film is performed A method for forming a trench isolation film comprising:

forming a trench on a substrate by etching the substrate using a pad oxide film pattern and a hard mask pattern as etching masks;

forming an SOG film on a substrate to sufficiently fill up the trench by coating an SOG solution on the substrate including the trench;

soft baking the SOG film at a temperature of about 100 to about 300°C; etching a whole surface of the SOG film;

forming an insulation film on a resultant structure formed on the substrate;

partially removing the insulation film to expose the hard mask pattern;

removing the hard mask pattern and the pad oxide film pattern; and

removing the insulation film remaining on a surface of substrate to expose the surface of the substrate.

- 33. (Original) The method of Claim 31, wherein the SOG film is etched by a wet etching process using an HF solution.
- 34. (Original) The method of Claim 31, wherein the insulation film includes oxide and the insulation film is formed using a CVD process.
- 35. (Original) The method of Claim 31, further comprising thermally treating the substrate including the resultant structure at a temperature of about 400 to about 1,200°C.

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- (Original) The method of Claim 31, wherein removing the insulation film is 36. performed using a CMP process.
  - (Canceled). 37.
- (New) The method of Claim 15, wherein soft baking the SOG film is performed at 38. a temperature in a range from about 100°C to about 300°C.
- (New) The method of Claim 31, wherein soft baking the SOG film is performed at 39. a temperature in a range from about 100°C to about 300°C.